# Olu Emmanuel Femi

List of Publications by Year
in descending order



| 36 | 422 | 759055 12 | 794469 19 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 37 | 37 | 37 | 542 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Silicene and transition metal based materials: prediction of a two-dimensional piezomagnet. Journal of Physics Condensed Matter, 2010, 22, 375502. | 0.7 | 43 |
| 2 | Thermoelectric Properties of Bi Doped Tetrahedrite. Journal of Electronic Materials, 2017, 46, 2616-2622. | 1.0 | 40 |
| 3 | Development of Molecularly Imprinted Conducting Polymer Composite Film-Based Electrochemical Sensor for Melamine Detection in Infant Formula. ACS Omega, 2020, 5, 4090-4099. | 1.6 | 40 |
| 4 | Scalable Synthesis of Atomically Thin Gallium Telluride Nanosheets for Supercapacitor Applications. ACS Applied Nano Materials, 2021, 4, 4829-4838. | 2.4 | 38 |
| 5 | Emerging two-dimensional tellurides. Materials Today, 2021, 51, 402-426. | 8.3 | 27 |
| 6 | Synergetic effect between MoS2 and N, S- doped reduced graphene oxide supported palladium nanoparticles for hydrogen evolution reaction. Materials Chemistry and Physics, 2020, 251, 123106. | 2.0 | 23 |
| 7 | Molecularly imprinted polyaniline molecular receptorâ€“based chemical sensor for the electrochemical determination of melamine. Journal of Molecular Recognition, 2020, 33, e2836. | 1.1 | 21 |
| 8 | Two-dimensional cobalt telluride as a piezo-tribogenerator. Nanoscale, 2022, 14, 7788-7797. | 2.8 | 18 |
| 9 | Thermoelectric Properties of In-Doped Cu2ZnGeSe4. Journal of Electronic Materials, 2016, 45, 1625-1632. | 1.0 | 17 |
| 10 | Microstructure and thermoelectric properties of Cu2Te-Sb2Te3 pseudo-binary system. Applied Surface Science, 2018, 449, 805-814. | 3.1 | 16 |
| 11 | Effect of processing route on the bipolar contribution to the thermoelectric properties of n-type eutectic Bi22.5Sb7.5Te70 alloy. Journal of Alloys and Compounds, 2016, 682, 791-798. | 2.8 | 14 |
| 12 | Novel multifunctional molecular recognition elements based on molecularly imprinted poly (aniline-co-itaconic acid) composite thin film for melamine electrochemical detection. Sensing and Bio-Sensing Research, 2020, 27, 100318. | 2.2 | 13 |
| 13 | Microstructure evolution and thermoelectric properties of Te-poor and Te-rich (Bi,Sb)2Te3 prepared via solidification. Journal of Materials Science, 2016, 51, 7254-7265. | 1.7 | 12 |
| 14 | Effects of Ni and carbon-coated Ni addition on the thermoelectric properties of 25Bi2Te3+75Sb2Te3 base composites. Materials Chemistry and Physics, 2017, 195, 49-57. | 2.0 | 11 |
| 15 | Effect of support material on the electrocatalytic activity of palladium Nanoparticle toward hydrogen evolution reaction. Materials Research Express, 2021, 8, 025501. | 0.8 | 9 |
| 16 | Thermoelectric properties of BiSbTe-type alloys prepared by chill-casting and cryo-milling. Materials Chemistry and Physics, 2021, 260, 124116. | 2.0 | 9 |
| 17 | Electrocatalytic Investigation of M@Pd (M=Ni, Co, Cu) Coreâ€Shell Nanostructure Supported on N, Sâ€Doped Reduced Graphene Oxide towards Hydrogen and Oxygen Evolution Reaction. ChemistrySelect, 2020, 5, 9989-9998. | 0.7 | 8 |
| 18 | Enhancement in magnetization of two-dimensional cobalt telluride and its magnetic field-assisted photocatalytic activity. Applied Physics A: Materials Science and Processing, 2022, 128, 1. | 1.1 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Synthesis and characterizations of (Mg, Co, Ni, Cu, Zn)O high-entropy oxides. SN Applied Sciences, 2021, 3, 1. | 1.5 | 7 |
| 20 | Mechanical and Thermoelectric Properties of Eutectic Composite (Bi, Sb)2Te3/Te Thermoelectric Material. Transactions of the Indian Institute of Metals, 2020, 73, 1147-1155. | 0.7 | 5 |
| 21 | Thermophysical and magnetic properties of Co-Ni-Mo-Al-Ta class of tungsten free Co-based superalloys. Journal of Alloys and Compounds, 2021, 879, 160379. | 2.8 | 5 |
| 22 | Insights into electrochemical behavior and kinetics of NiP on PEDOT:PSS/reduced graphene oxide as high-performance electrodes for alkaline urea oxidation. Journal of Solid State Electrochemistry, 0, , 1. | 1.2 | 5 |
| 23 | Fabrication of large-scale p-type 75%Sb2Te3-25%Bi2Te3 thermoelectric materials by gas atomization and hot isostatic pressing. Materials Research Bulletin, 2020, 130, 110924. | 2.7 | 4 |
| 24 | A Review of Lamellar Eutectic Morphologies for Enhancing Thermoelectric and Mechanical Performance of Thermoelectric Materials. Journal of the Indian Institute of Science, 2022, 102, 237-279. | 0.9 | 4 |
| 25 | Influence of cold rolling and thermal treatment on microstructure and texture evolution, and tensile behaviour of high strength Al-Co-Sc-Zr alloys. Journal of Alloys and Compounds, 2022, 907, 164427. | 2.8 | 4 |
| 26 | Energy Harvesting from Atomically Thin Co<sub>2</sub>Te<sub>3</sub>. Journal of Physical Chemistry C, 2022, 126, 12545-12553. | 1.5 | 4 |
| 27 | Production of magnetite nanoparticles from Ethiopian iron ore using solvent extraction and studying parameters that affect crystallite size. Materials Research Express, 2020, 7, 105016. | 0.8 | 3 |
| 28 | Insights into the Electrochemical Behavior and Kinetics of NiP@PANI/rGO as a High-Performance Electrode for Alkaline Urea Oxidation. Electrocatalysis, 2022, 13, 283-298. | 1.5 | 3 |
| 29 | Understanding the mechanics of complex topology of the 3D printed Anthill architecture. Oxford Open Materials Science, 2022, 2, . | 0.5 | 3 |
| 30 | Bioinspired Aluminum Composite Reinforced with Soft Polymers with Enhanced Strength and Plasticity. Advanced Engineering Materials, 2020, 22, 1901116. | 1.6 | 2 |
| 31 | Polypyrrole@polyaniline-reduced graphene oxide nanocomposite support material and Cobalt for the enhanced electrocatalytic activity of nickel phosphide microsphere towards alkaline urea oxidation. Materials Research Express, 2021, 8, 095303. | 0.8 | 2 |
| 32 | Anisotropy of Microstructure and Its Influence on Thermoelectricity: The Case of Cu<sub>2</sub>Teâ€“Sb<sub>2</sub>Te<sub>3</sub> Eutectic. ACS Applied Energy Materials, 2021, 4, 11867-11877. | 2.5 | 2 |
| 33 | An innovative catalyst of PdNiP nanosphere deposited PEDOT:PSS/rGO hybrid material as an efficient electrocatalyst for alkaline urea oxidation. Polymer Bulletin, 2023, 80, 1265-1283. | 1.7 | 2 |
| 34 | Improved Mechanical Properties of Al-Si Alloys by Adding an Extrusion Process to Conventional Processing Method. Archives of Metallurgy and Materials, 2017, 62, 1179-1183. | 0.6 | 0 |
| 35 | Development of Melamine Electrochemical Sensor Using Molecularly Imprinted Conducting Polyanilne-Oxalic Acid Blend as a Molecular Recognition Element. Nano Hybrids and Composites, 2020, 29, 61-73. | 0.8 | 0 |
| 36 | Synthesis, characterization and electrocatalytic study of Pd supported on CeO2â€“N, S-rGO composite towards hydrogen and oxygen evolution reaction. Journal of Materials Science: Materials in Electronics, 2021, 32, 12241-12252. | 1.1 | 0 |